



ADVANCED WIRELESS TEMPERATURE MONITORING

TECHNOLOGY + FLEXIBILITY

The SecureRF range comprises a range of wireless transmitters and receivers specifically designed for the logistic industry.

Engineered to incorporate the newest technology and flexibility, it offers a range of flexible sensors with self-powered transmitters and a range of receiving options for data collection.

HOW IT WORKS

Temp RF is SecureSeal System's wireless temperature transmitter that can be used in most logistics environments to measure a given temperature.

The unit features a powerful transmitter, available in 433 or 868MHz and designed for long-range wireless communications, such as trailer to cab.

Once installed, temperatures are transmitted at intervals from 1 minute to 15 minutes and can be received in-cab or at site using the wall mounted DataHub.

TempRF is programmed to transmit wireless data directly to the in-cab device and subsequently temperature breaches will be detected and communicated to the company's telematics data centre.

The telematics system will update the temperature readings for that vehicle and check for alarm conditions.

TELEMATICS COMPATIBILITY?

The TempRF product has evolved over years of specialist applications to provide the most accurate and reliable system of monitoring seal functions. It is **already integrated** with several telematics systems and gatehouse control systems worldwide. Unprecedented seamless data feed then provides simple connection to harmonise with any telematics or existing in-cab device.



BENEFITS OF THE WIRELESS TEMP RF

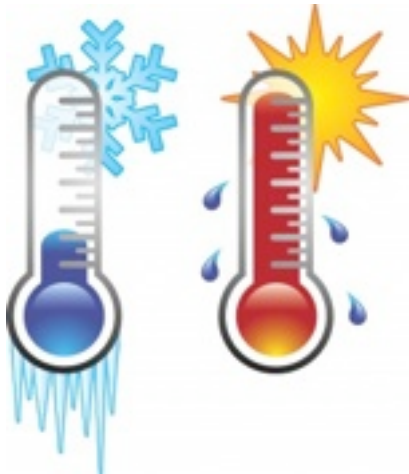
- Quick and easy to install.
- Wireless communication – no cables.
- Unique identification system for fleet tracking.
- Immediate alerts when the temperature goes out of critical limits.
- Increase customer confidence.
- Real protection against perishable goods being lost due to wrong temperature.
- Protects income against goods, insurance claims or reimbursements.
- Increase safety: Prevent delivery of goods, which may be hazardous to the consumer's health.

PROTECT YOUR CARGO WITH SECURESEAL SYSTEM'S TEMP RF



MAIN FEATURES

- Wireless 433/868MHz frequency
- Programmable transmission rates from 1 to 15 minutes
- Accuracy to within $\pm 0.5^{\circ}\text{C}$
- Sturdy moulded food grade plastic.
- Long life lithium battery (4-7 years)
- Transmission distance of up to 150 metres
- Environmentally robust -25°C to $+55^{\circ}\text{C}$
- Protection class IP68
- Approvals: EN300-220-1
- Internal antenna



TECHNICAL SPECIFICATIONS

Radio Frequency:	433 or 868MHz
Transmit Interval:	1-15 minutes
Operating Range:	400 metres LoS
Operating Temp:	-25°C to $+55^{\circ}\text{C}$
Antenna:	Integrated
Sealing:	IP68 rated
Battery Life:	4-7 years
Address:	Unique ID
Lower Power Radio:	100% EMC safe
Approvals:	EN-300-220-1

OTHER OPTIONS IN THE RF RANGE

BeaconRF is an ID beacon that sends a data packet with a unique trailer ID to the tractor unit enabling the driver to know the correct load has been picked up, or at gatehouse to monitor arrivals/departures and on-site inventory.

DoorRF is a wireless door sensor that transmits an alert or data packet when the door is opened or closed.

SealRF is the SecureSeal security seal sensor that transmits an alert or data packet when the seal is opened or closed.

ReceiverRF units are available in 433 or 868 MHz. When connected to a vehicle's in-cab system they receive data from the wireless sensors allowing the telematics to monitor the doors, temperature, security seal, etc. The receivers are available in an array of housings and supply options for any telematics or in-cab system. Generally in-cab options are preferred in a sturdy IP casing or simply as a PCB that can be embedded directly into a bespoke device. Available with various outputs including serial, USB, relay, etc.